

**NYC Department of Education
Building Condition Assessment Survey 2010-2011**

Mechanical Inspection

M033

School: P.S. 33 - MANHATTAN, 281 9TH AVENUE, MANHATTAN, NY, 10001

InspectionId	Inspection Type	Time In	Last Edited
1860035	MECHANICAL	2010-12-16 08:50AM	2010-12-30 12:10PM

Asset Data

Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Heating plant, Gas Fired water heater with a remote storage tank, Sump pumps, Steam condensate return pumping system. Terminal unit steam traps, F&Ts steam traps, Sprinkler Alarm Valve Assembly and Partial Pneumatic climate Control System (Air compressor, air dryers, PRV stations, some zone valves) Years: 2009 Systems: DX split System for MDF room B1 Years: 2004
Are there fuel tanks?	Yes
Total # of above ground tanks	1
Total capacity of all above ground tanks in gal.	6,000
Total # of below ground tanks	0
Total capacity of all below ground tanks in gal.	0

Priority Condition

No condition recorded

Inspection

Question	Response
MECHANICAL	
AIR CONDITIONING	Does not exist
CENTRAL ACID WASTE NEUTRALIZING TANK	Does not exist
CLIMATE CONTROL SYSTEM	Inspected
DDC SYSTEM	Does not exist
ELECTRIC SYSTEM	Does not exist
HYBRID SYSTEM	Does not exist
PNEUMATIC SYSTEM	Inspected
Instance	Throughout the School
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	81-100%
Deficiency	DEFECTIVE TEMPERATURE CONTROL THERMOSTAT
Deficiency Location/Instance	Library
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DEFECTIVE TERMINAL UNIT THERMOSTATIC VALVE
Deficiency Location/Instance	Library
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
COMPACTOR	Does not exist
CONVEYING	Inspected
ASH HOIST	Does not exist

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Question	Response
CONVEYING	
DUMBWAITERS	Does not exist
ELEVATORS	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
ESCALATORS	Does not exist
Non-auditorium Handicap Lift - Stair	Does not exist
Non-auditorium Handicap Lift - Vertical	Does not exist
SIDEWALK ELEVATOR	Does not exist
DOMESTIC WATER SYSTEM	Inspected
DOMESTIC COLD WATER SYSTEM	Inspected
Gravity System	Does not exist
Pressure Booster System	Does not exist
Water Service	Inspected
Service Piping (Water Main)	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Water Main - Double Check Valve	Does not exist
Water Main - RPZ	Does not exist
DOMESTIC HOT WATER SYSTEM	Inspected
Domestic Hot Water Circulating Pump	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Domestic Hot Water Remote Storage Tank	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Domestic Water Heat Exchanger	Does not exist
Electric Domestic Water Heater	Does not exist
Gas Fired Domestic Water Heater	Inspected
Instance	Boiler Room
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Lochinvar
EquipmentId	N/A
Capacity/Size	400 MBH Input
Installation Year	2009
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Oil Fired Domestic Water Heater	Does not exist
DOMESTIC WATER DISTRIBUTION PIPING	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE/LEAKS
Deficiency Location/Instance	Basement Bathroom pipe chase
Deficiency Quantity	10
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
DRAIN/WASTE/VENT AND STORM SYSTEM	Inspected
HOUSE TRAP	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
INTERIOR FLOOR DRAIN	Inspected

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Question	Response
DRAIN/WASTE/VENT AND STORM SYSTEM	
INTERIOR FLOOR DRAIN	
Condition	3- Fair
Deficiency	No deficiencies recorded
INTERIOR STORM PIPING	
Condition	3- Fair
Deficiency	No deficiencies recorded
SEWAGE / WASTE PIPING	
Condition	3- Fair
Deficiency	No deficiencies recorded
SEWAGE EJECTOR PUMP	
	Does not exist
SUMP PUMP	
Condition	1- Good
Deficiency	No deficiencies recorded
VENT PIPING	
Condition	3- Fair
Deficiency	No deficiencies recorded
DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)	
	Does not exist
FIXTURES	
	Inspected
STAFF AND OTHER	
	Inspected
Janitor Sink	
Condition	3- Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	
Condition	3- Fair
Deficiency	No deficiencies recorded
Toilet	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Urinal	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
STUDENT	
	Inspected
Drinking Fountain	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	
Condition	3- Fair
Deficiency	No deficiencies recorded
Locker Room Shower	
Instance on 1st floor Gym (Girl's)	Inspected
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Alternative Use	Yes
Deficiency	NOT IN USE
Deficiency Location/Instance	1st floor Gym (Girl's)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Instance on 1st floor Gym (Boy's)	Inaccessible

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Question	Response
FIXTURES	
STUDENT	
Locker Room Shower	
Instance Quantity	1
Instance Quantity Uom	EACH
Sink And Fountain Combo Unit	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Toilet	Inspected
Condition	3- Fair
Deficiency	CRACKED/PHYSICAL DAMAGE
Deficiency Location/Instance	3rd Floor Boy's
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Urinal	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
GAS FIRED FURNACE	Does not exist
GAS SERVICE	Inspected
CO/GAS LEAK DETECTION	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
GAS DISTRIBUTION PIPING	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
GAS METER ROOM EXHAUST FAN	Does not exist
GAS METER ROOM VENT	Does not exist
GAS PRESSURE BOOSTER	Inspected
Instance	In Cage at front of School
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Eclipse
EquipmentId	N/A
Capacity/Size	23,000 SCFH
Installation Year	2009
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
HEATING	Inspected
BASEBOARD/FIN TUBE	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
HEATING COILS IN DUCTWORK	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
HYDRONIC HEATING	Does not exist
RADIATOR / CONVECTOR	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
STEAM HEATING	Inspected
F&T/Steam Drip Trap	Inspected

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Question	Response
HEATING	
STEAM HEATING	
F&T/Steam Drip Trap	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
MER Steam and Condensate Piping	
Condition	Inspected
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Fan Rooms in Basement, 208, 243 and 305
Deficiency Quantity	350
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam Condensate Return Piping	
Condition	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Steam Condensate Return Pumping System	
Condition	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Steam Piping	
Condition	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Trap	
Condition	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
STEAM SUPPLIED BY EXTERNAL SOURCES	
Does not exist	
UNIT HEATER/CABINET HEATER	
Condition	Inspected
Condition	2- Between Good and Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Kitchen and Cafeteria (3 of 5 - Two new units in boiler Room)
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
HEATING PLANT	
Condition	Inspected
Replacement Quantity	8,598
Replacement Uom	MBH
Instance	Basement
Burner Type	Dual Fuel (Gas / Oil)
Heating Plant Oil Number	2
BOILER AUXILIARIES	
Instance on Basement	Inspected
Boiler Auxiliary Piping	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Emergency Stop Switch	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Feedwater System	

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HEATING PLANT	
BOILER AUXILIARIES	
Boiler Feedwater System	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Feedwater Treatment(Automatic)	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Flue Exhaust	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Make-up Water Backflow Preventer	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Room Steam And Condensate Piping	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Safety Valve	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
BOILER SYSTEM	
Instance on Basement	Inspected
Coal-fired Boiler	
Instance on Basement	Does not exist
Hot Water Boiler	
Instance on Basement	Does not exist
Modular Boiler	
Instance on Basement	Does not exist
Steam Boiler	
Instance on Basement	Inspected
Instance	Boiler Room
Instance Condition	1- Good
Instance Quantity	4,299
Instance Quantity Uom	MBH
Manufacturer	Burnham
EquipmentId	39920-01
Capacity/Size	5537 MBH Gross
Installation Year	2009
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Instance	Boiler Room
Instance Condition	1- Good
Instance Quantity	4,299
Instance Quantity Uom	MBH
Manufacturer	Burnham
EquipmentId	39920-02
Capacity/Size	5537 MBH Gross
Installation Year	2009
Source of Installation Year	Documented

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Question	Response
HEATING PLANT	
BOILER SYSTEM	
Steam Boiler	
Deficiency	No deficiencies recorded
FUEL SYSTEMS	
Instance on Basement	Inspected
Boiler Fresh Air Louver/Damper	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Burner/Burner Control Panel	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Fuel Oil Storage/Supply System	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Gas Trains And Vent At The Boiler	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
IDF (ENCLOSED ROOMS)	
	Does not exist
KITCHEN	
Instance	Inspected
	Basement
CO DETECTOR	
Instance on Basement	Inspected
Instance Condition	4- Between Fair and Poor
Deficiency	DETECTOR MISSING
Deficiency Location/Instance	Kitchen
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
GAS SYSTEM	
Instance on Basement	Does not exist
GREASE TRAP	
Instance on Basement	Does not exist
HOOD	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Kitchen (1 of 2)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
HOOD EXHAUST DUCTWORK	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded

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KITCHEN	
HOOD EXHAUST FAN	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
HOOD FIRE SUPPRESSION SYSTEM	
Instance on Basement	Does not exist
HOT WATER TEMPERATURE BOOSTER	
Instance on Basement	Does not exist
KITCHEN SINK	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
MDF ROOM	Inspected
Instance	Room B1
A/C EQUIPMENT	
Instance on Room B1	Inspected
Instance Condition	3- Fair
Deficiency	DEFECTIVE
Deficiency Location/Instance	Room B1 (Condenser Fan)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
VENTILATION EQUIPMENT	
Instance on Room B1	Does not exist
SCIENCE DEMO ROOM	Does not exist
SCIENCE LAB	Does not exist
SCIENCE PREP ROOM	Does not exist
SPRINKLERS, STANDPIPE, FIRE SYSTEM	Inspected
DELUGE VALVE	Does not exist
FIRE BOOSTER PUMP ASSEMBLY	Does not exist
ROOF TANK	Does not exist
SIAMESE CONNECTION	Does not exist
SPRINKLER ALARM VALVE ASSEMBLY	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
SPRINKLER HEAD	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
SPRINKLER PIPING	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
STANDPIPE SYSTEM	Does not exist
WATER GONG	Does not exist
SWIMMING POOL	Does not exist
VENTILATION	Inspected
EXHAUST FAN	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
HEATING AND VENTILATING UNIT	Does not exist
METAL DUCTWORK	Inspected

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Question	Response
VENTILATION	
METAL DUCTWORK	
Condition	3- Fair
Deficiency	DEFECTIVE REGISTER/DIFFUSER
Deficiency Location/Instance	1st Floor Gymnasium (Missing diffusers)
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
SUPPLY FAN	
Condition	Inspected
Deficiency	No deficiencies recorded
UNIT VENTILATOR	
	Does not exist